

Converting Colors

$Yxy(65.8064, 0.3070, 0.3963)$

Have a look what the booklet for
Yxy(65.8064, 0.3070, 0.3963)
contains.

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Color

Yxy(65.8063, 0.3075, 0.3968)

Conversions

Conversions Part 1

Format	Color
Hex	A9E2AC
RGB	169, 226, 172
RGB Percent	66%, 89%, 67%
CMY	0.3374, 0.1137, 0.3255
CMYK	0.25, 0.00, 0.24, 0.11
HSL	123°, 50%, 77%
HSV	123°, 25%, 89%
XYZ	50.9966, 65.8063, 49.0396
YIQ	202.8010, -16.6380, -28.8780

Conversions

Conversions Part 2

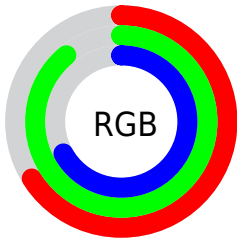
Format	Color
RYB	169, 223, 226
Decimal	11133612
CIELab	84.90, -28.61, 20.66
CIElCh	85, 35.288, 144.174
Yxy	65.8063, 0.3075, 0.3968
Android (android.graphics.Color)	4289323692 (0xFFA9E2AC)
YUV	202.8010, -15.1849, -29.6435
Hunter-Lab	81.1211, -29.7483, 20.9425

Details

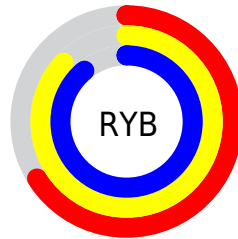
The Yxy color **65.8063, 0.3075, 0.3968** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.8558, 0.3181, 0.2694**, and the grayscale version is **59.6899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1290, 0.3096, 0.3567**, and **33.7262, 0.3053, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **62.7655, 0.3053, 0.4290**, and if you desaturate by 10%, it is **69.4171, 0.3096, 0.3675**.

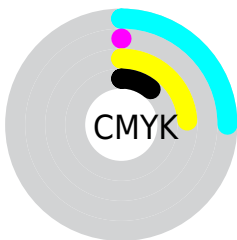
Distribution



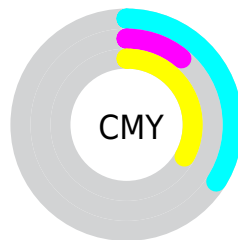
- Red (66%)
- Green (89%)
- Blue (67%)



- Red (66%)
- Yellow (87%)
- Blue (89%)



- Cyan (25%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)




- Cyan (34%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8063, 0.3075, 0.3968 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 65.8063, 0.3075, 0.3968 by changing the saturation by 10% instead.


 65.8063, 0.3075,
0.3968

 65.8063, 0.3075,
0.3968

445.6838, 0.3107,
0.3635

 48.1152, 0.3066,
0.4049

 113.2083, 0.3088,
0.3848

 33.9181, 0.3053,
0.4152


143.6879, 0.3092,
0.3803

 22.8307, 0.3034,
0.4287


179.1992, 0.3096,
0.3764

 14.4685, 0.3006,
0.4471

220.1265, 0.3099,
0.3731

 8.4473, 0.2960,
0.4735

266.8542, 0.3101,
0.3702

 4.3824, 0.2875,
0.5145

319.7667, 0.3103,

 1.8897, 0.2795,

0.3677

379.2485, 0.3105,
0.3655

0.6075

0.5422, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.8063, 0.3075,
0.3968

65.8063, 0.3075,
0.3968

62.7655, 0.3053,
0.4290

69.4171, 0.3096,
0.3675

60.2577, 0.3032,
0.4632

73.6160, 0.3117,
0.3414

58.2548, 0.3014,
0.4977

78.4306, 0.3136,
0.3186

56.7223, 0.3000,
0.5303

82.8810, 0.3140,
0.3009

■ 55.6219, 0.2991,
0.5586

■ 54.9090, 0.2989,
0.5801

■ 54.5292, 0.2992,
0.5936

■ 54.4276, 0.2993,
0.5974

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.8063, 0.3508, 0.4085



65.8063, 0.3075, 0.3968



65.8063, 0.2674, 0.3621

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.8063, 0.3075, 0.3968



65.8063, 0.2429, 0.2620



65.8063, 0.3903, 0.3315

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65.8063, 0.3075, 0.3968



49.8558, 0.3181, 0.2694

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.8063, 0.3574, 0.2979



65.8063, 0.3075, 0.3968



65.8063, 0.2716, 0.2590

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.8063, 0.3075, 0.3968



65.8063, 0.2320, 0.2824



65.8063, 0.3131, 0.2721



65.8063, 0.4005, 0.3666

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.8063, 0.3075, 0.3968



65.8063, 0.2476, 0.3330



65.8063, 0.3131, 0.2721



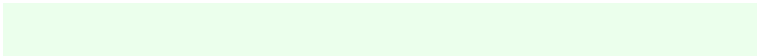
65.8063, 0.3814, 0.3198

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



65.8091, 0.3075, 0.3968



95.1521, 0.3111, 0.3484



72.9775, 0.3486, 0.3924



20.1839, 0.3108, 0.3522



0.0000, 0.0000, 0.0000



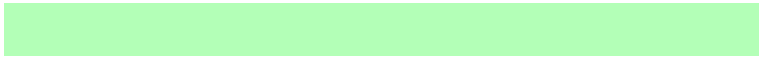
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.8091, 0.3075, 0.3968



84.4455, 0.3064, 0.4124



67.0167, 0.2905, 0.3604



15.3490, 0.3109, 0.3519



31.0516, 0.2990, 0.5964



2.1566, 0.2962, 0.5862

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49.8558, 0.3181, 0.2694



60.2603, 0.3193, 0.2577



48.4530, 0.3424, 0.2997



13.9224, 0.3146, 0.3071



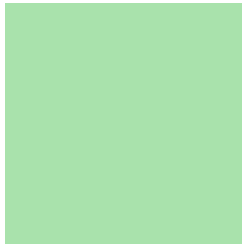
11.9985, 0.3347, 0.1617



0.8356, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 65.8063, 0.3075, 0.3968 looks on a white background.

Color Contrast Check

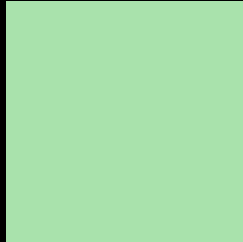
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 65.8063, 0.3075, 0.3968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

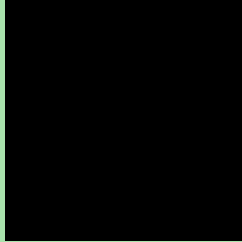
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

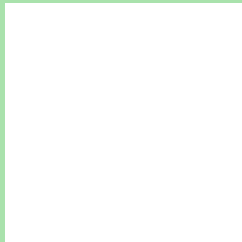
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8063, 0.3075, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 65.8063, 0.3075, 0.3968.

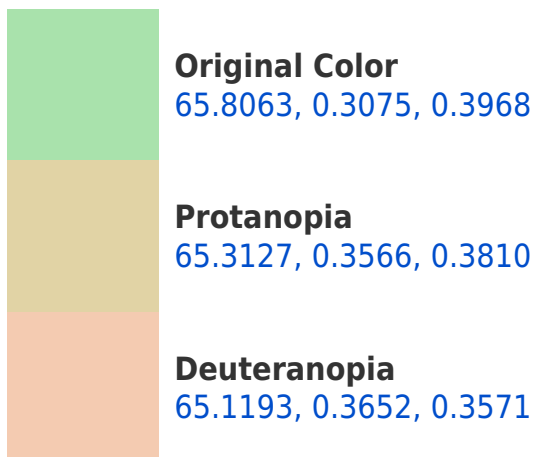


This preview shows how white text looks on a background with the Yxy color 65.8063, 0.3075, 0.3968.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

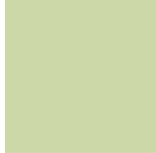
65.8443, 0.2766, 0.3092

Trichromacy



Original Color

65.8063, 0.3075, 0.3968



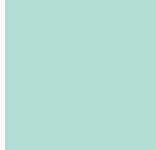
Protanomaly

64.9180, 0.3375, 0.3857



Deuteranomaly

64.4354, 0.3429, 0.3705



Tritanomaly

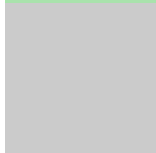
65.6965, 0.2878, 0.3397

Monochromacy



Original Color

65.8063, 0.3075, 0.3968



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.4707, 0.3109, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8063, 0.3075, 0.3968 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(169, 226, 172)` looks like.

```
.text, #text, p{  
    color:rgb(169, 226, 172)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(169, 226, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 226, 172) }
```

Border

The CSS property to change the border of an element to Yxy 65.8063, 0.3075, 0.3968 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 226, 172) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(169, 226, 172) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(169, 226, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 226, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 226, 172);  
box-shadow:4px 4px 4px 4px rgb(169, 226,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8063, 0.3075, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 226, 172) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(169,  
226, 172) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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